The Rocket Blog

A blog about anything related to rockets and space technology from news to how to make your own propellant.

FRIDAY, JULY 6, 2012

How to make Rocket Candy

Now, here's my favorite cheap and easy-to-make propellant : the Rocket Candy.

It's my favorite because it is very easy to make, it doesn't require a binder and it has pretty good performance.

The chemicals are just potassium nitrate (saltpeter) and sugar, the same sugar you use to make a cake, in a proportion of 65% KNO3/35% sugar.

The procedure is as follow :

- Put the chemicals in water in a pan.
- Heat and bring to a boil the water.
- Heat until there's no water remaining, you should have a white slurry, here's the propellant.
- Take this slurry and put it in your rocket engine.
- You can also put 3% weight of iron oxide (Fe2O3) or manganese dioxide (MnO2) as they acts as catalysts.
- BEWARE ! Do not heat for too long or the sugar will caramelize and it is very fire sensitive. Just a spark can ignite it.

The Rocket Candy can also be used as a smoke generator but you can't dyed it.
As always if you want to make it, the chemicals are available in the right side.

Unknown at Friday, July 06, 2012

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hello...as for iron oxide, can i use the spark from angle grinder? someone suggested iron rust but the size is quite large when scrapped from steel bar...

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